

Base by U.S. Geological Survey, 1983

0 100 200 300 400 500 600 700 800 900 1000 Nautical Miles

0 100 200 300 400 500 600 700 800 900 1000 Statute Miles

0 100 200 300 400 500 600 700 800 900 1000 Kilometers

Van der Grintz projection

Scale 1:60,000,000

Boundary and names representation are not necessarily authoritative

THE MAGNETIC FIELD OF THE EARTH, 1980 MAGNETIC VERTICAL INTENSITY

Compiled by
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1983

EXPLANATION

MAGNETIC VERTICAL INTENSITY

Red lines indicate the value of the vertical intensity of the Earth's magnetic field in units of thousands of nanotesla ($30 = 30,000$ nanotesla $= 30,000$ gammas). The symbol x indicates a local minimum or maximum.

ANNUAL CHANGE IN MAGNETIC VERTICAL INTENSITY

Blue lines indicate the estimated rate of change in units of nanotesla per year (1 nanotesla = 1 gamma). Negative values denote decreasing intensity. The symbol x indicates a local minimum or maximum.

NOTE

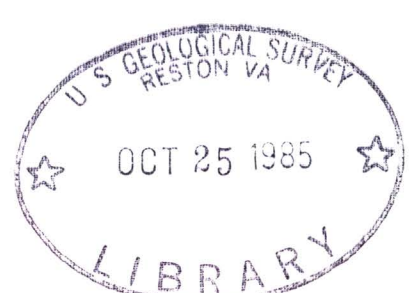
This map is one of a series of five World maps showing contours of various elements of the Earth's magnetic field at sea level. The series consists of declination, inclination, horizontal intensity, vertical intensity, and total intensity, all for the year 1980. The information on the Earth's magnetic field was derived from IGRF 1980, the International Geomagnetic Reference Field for 1980, a mathematical model consisting of solid internal spherical harmonics up to the tenth degree and order.

ACKNOWLEDGMENTS

The National Aeronautics and Space Administration, the National Oceanic and Atmospheric Administration, and the magnetic observatory and field survey personnel of the U.S. Geological Survey provided much of the data essential for the development of this series of maps.

REFERENCES

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International Association of Geomagnetism and Aeronomy Division 1, Working Group 1: 1981, International geomagnetic reference fields: IGRF 1965, IGRF 1970, IGRF 1975, IGRF 1980: EOS (American Geophysical Union Transactions), v. 62, no. 49, p. 1169.



M(200)
1-460
92

M(200)276
998346
6-2

